

# United States Patent [19]

Spielvogel et al.

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[54] **FILM-FORMING SILICONE  
COMPOSITIONS HAVING LUBRICATING  
PROPERTIES**

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528/31; 528/32; 524/731; 524/588; 427/387;  
525/478**

[58] Field of Search ..... **524/731, 862, 588;  
528/31, 32, 15; 427/387**

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[57] **ABSTRACT**

A film-forming siloxane composition having excellent adherent and lubricating properties comprising a reactive component having a combination of three siloxane polymers chemically crosslinked, and a non-reactive component dispersed therein. Substrates are dipped or otherwise coated with the compositions, at which time they are cured quickly under heat to a durable, adherent lubricating surface which is dry to the touch. Of particular advantage is the use of these films on hypodermic needles, razor blades, catheters and the like.

**14 Claims, 1 Drawing Figure**